

Standard PRC-016-1 — Remedial Action Scheme Misoperations

A. Introduction

1. **Title: Remedial Action Scheme Misoperations**
2. **Number:** PRC-016-1
3. **Purpose:** To ensure that all Remedial Action Schemes (RAS) are properly designed, meet performance requirements, and are coordinated with other protection systems. To ensure that maintenance and testing programs are developed and misoperations are analyzed and corrected.
4. **Applicability:**
 - 4.1. Transmission Owner that owns a RAS.
 - 4.2. Generator Owner that owns a RAS.
 - 4.3. Distribution Provider that owns a RAS.
5. **Effective Date*:** See Implementation Plan for the Revised Definition of “Remedial Action Scheme”

B. Requirements

- R1. The Transmission Owner, Generator Owner, and Distribution Provider that owns a RAS shall analyze its RAS operations and maintain a record of all misoperations in accordance with the Regional RAS review procedure specified in Reliability Standard PRC-012-1_R1.
- R2. The Transmission Owner, Generator Owner, and Distribution Provider that owns a RAS shall take corrective actions to avoid future misoperations.
- R3. The Transmission Owner, Generator Owner, and Distribution Provider that owns a RAS shall provide documentation of the misoperation analyses and the corrective action plans to its Regional Reliability Organization and NERC on request (within 90 calendar days).

C. Measures

- M1. The Transmission Owner, Generator Owner, and Distribution Provider that owns a RAS shall have evidence it analyzed RAS operations and maintained a record of all misoperations in accordance with the Regional RAS review procedure specified in Reliability Standard PRC-012-1_R1.
- M2. The Transmission Owner, Generator Owner, and Distribution Provider that owns a RAS shall have evidence it took corrective actions to avoid future misoperations.
- M3. The Transmission Owner, Generator Owner, and Distribution Provider that owns a RAS shall have evidence it provided documentation of the misoperation analyses and the corrective action plans to the affected Regional Reliability Organization and NERC on request (within 90 calendar days).

D. Compliance

1. **Compliance Monitoring Process**
 - 1.1. **Compliance Monitoring Responsibility**
The British Columbia Utilities Commission

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1.2. Compliance Monitoring Period and Reset Time Frame

On request [within 90 calendar days of the incident or on request (within 30 calendar days) if requested more than 90 calendar days after the incident.]

1.3. Data Retention

None specified.

1.4. Additional Compliance Information

None.

2. Levels of Non-Compliance

2.1. Level 1: Documentation of RAS misoperations is complete but documentation of corrective actions taken for all identified RAS misoperations is incomplete.

2.2. Level 2: Documentation of corrective actions taken for RAS misoperations is complete but documentation of RAS misoperations is incomplete.

2.3. Level 3: Documentation of RAS misoperations and corrective actions is incomplete.

2.4. Level 4: No documentation of RAS misoperations or corrective actions.

E. Regional Differences

None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
0	February 8, 2005	Adopted by NERC Board of Trustees	New
0	July 3, 2007	Change reference in Measure 1 from “PRC-016-0_R1” to “PRC-012-1_R1.”	Errata
0.1	October 29, 2008	BOT adopted errata changes; updated version number to “0.1”	Errata
0.1	May 13, 2009	FERC Approved – Updated Effective Date	Revised
1	November 13, 2014	Adopted by the NERC Board of Trustees	Replaced references to Special Protection System and SPS with Remedial Action Scheme and RAS
1	November 19, 2015	FERC Order issued approving PRC-016-1. Docket No. RM15-13-000.	